App No.: NOT YET ASSIGNED Docket No.: R2184.0056/P056-B
Inventor: Hiroyoshi Funato
Title: OPTICAL PICKUP APPARATUS HAVING IMPROVED
HOLOGRAPHIC OPTICAL ELEMENT AND

PHOTODETECTOR

FIG. 1A

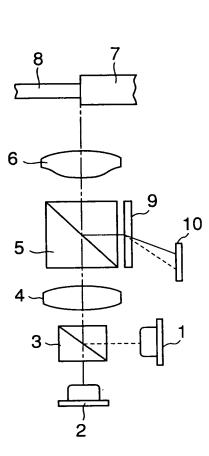


FIG. 1B

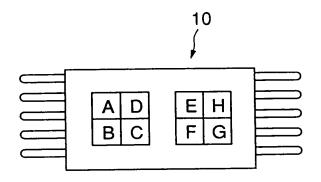
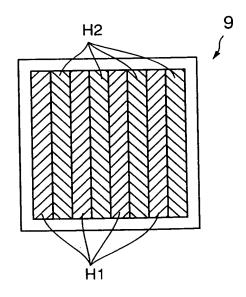


FIG. 1C



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FIG. 2A

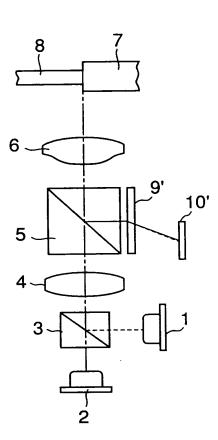


FIG. 2B

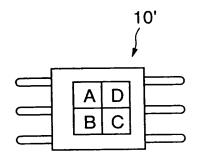
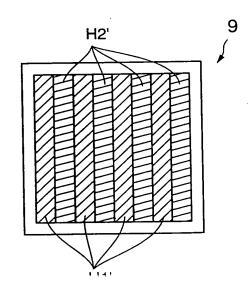
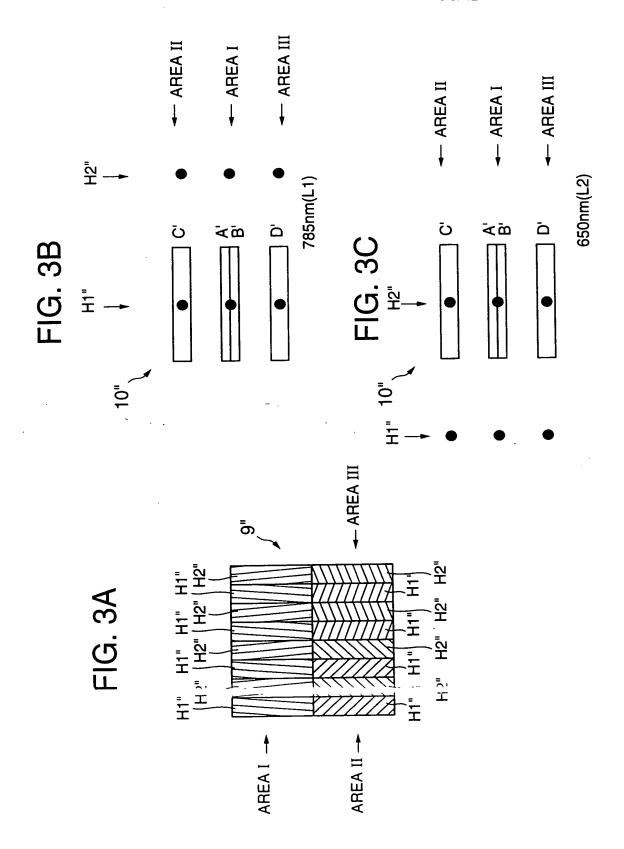


FIG. 2C



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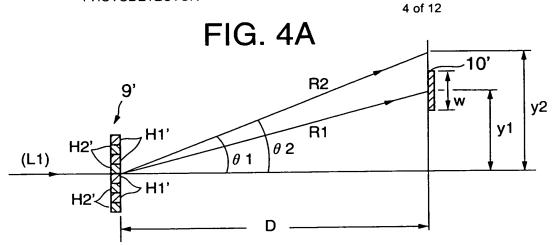
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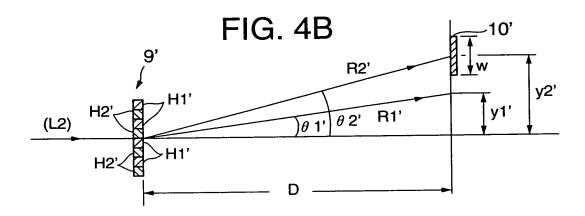
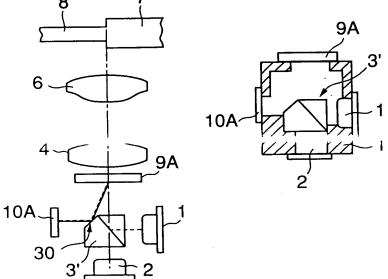


FIG. 5A FIG. 5B



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FIG. 6

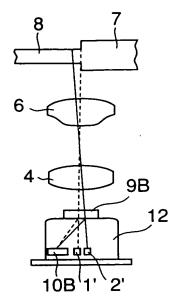


FIG. 7A

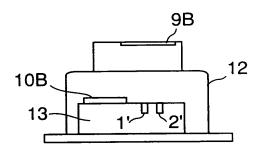
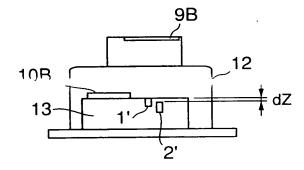


FIG. 7B



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FIG. 8

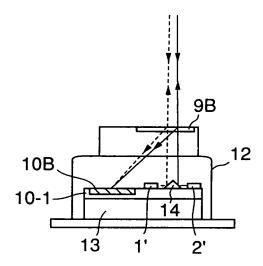
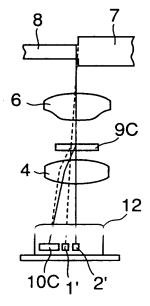


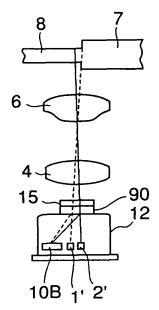
FIG. 9



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FIG. 10



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FIG. 11

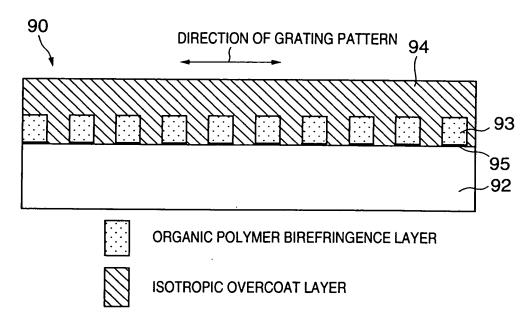
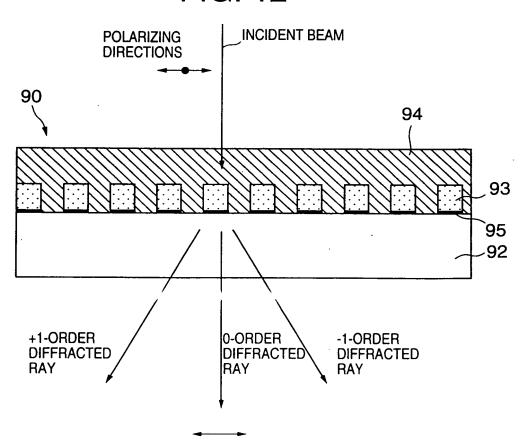


FIG. 12



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FIG. 13

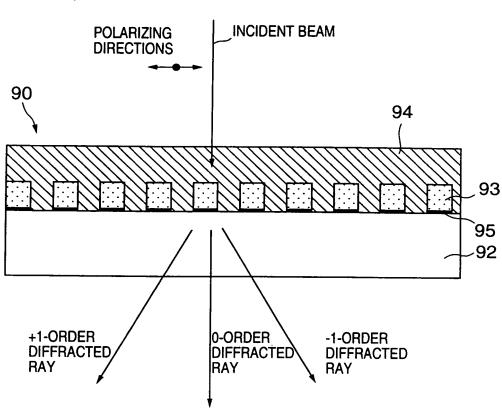
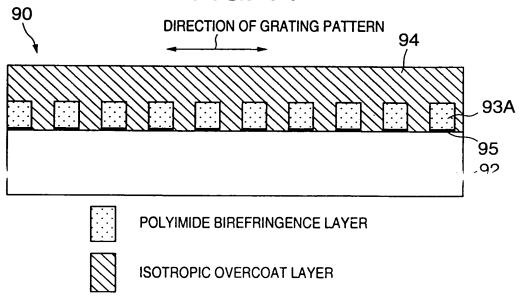
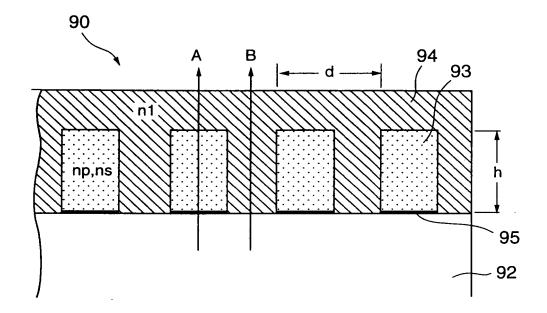


FIG. 14



App No., NOT TET ASSIGNED DOCKET No., R2104,0030/P036-B Inventor: Hiroyoshi Funato
Title: OPTICAL PICKUP APPARATUS HAVING IMPROVED
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FIG. 15



Inventor: Hiroyoshi Funato Title: OPTICAL PICKUP APPARATUS HAVING IMPROVED HOLOGRAPHIC OPTICAL ELEMENT AND **PHOTODETECTOR** 11 of 12 FIG. 16A 93 95 - 92 FIG. 16B 96 93 95 - 92 FIG. 16C 96A 93 95 - 92 FIG. 16D 96A 93 -95 - 92 FIG. 16E 93 -95 - 92 FIG. 16F 94

> 93 - 95 - 92

App No., NOT YET ASSIGNED DOCKET No., K2104.0030/F030-B

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FIG. 17

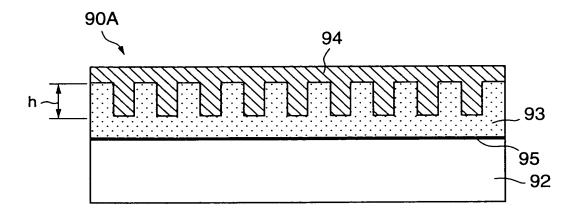


FIG. 18

